

# Josh Borycz

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

2,227  
citations

516215

16  
h-index

525886

27  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning for rediscovering revolutionary ideas of the past. <i>Adaptive Behavior</i> , 2022, 30, 279-286.	1.1	4
2	Monitoring event-driven dynamics on Twitter: a case study in Belarus. <i>SN Social Sciences</i> , 2022, 2, 36.	0.4	2
3	Implementing Data Management Workflows in Research Groups Through Integrated Library Consultancy. <i>Data Science Journal</i> , 2021, 20, .	0.6	2
4	STEM Abstracting and Indexing (A&I) Tool Overlap Analysis in 2020: An Open Science Informed Approach Amid Pandemic Budgets. <i>Journal of Escience Librarianship</i> , 2021, 10, .	0.2	2
5	Cultural values predict national COVID-19 death rates. <i>SN Social Sciences</i> , 2021, 1, 74.	0.4	3
6	Early warning of vulnerable counties in a pandemic using socio-economic variables. <i>Economics and Human Biology</i> , 2021, 41, 100988.	0.7	11
7	COVID-19 as an Opportunity to Expand the Instructional Portfolio of STEM Librarians. <i>Issues in Science and Technology Librarianship</i> , 2021, , .	0.2	0
8	Implementing FAIR data for people and machines: Impacts and implications - results of a research data community workshop. <i>Information Services and Use</i> , 2020, 40, 71-85.	0.1	6
9	Data sharing, management, use, and reuse: Practices and perceptions of scientists worldwide. <i>PLoS ONE</i> , 2020, 15, e0229003.	1.1	112
10	Correction to "Tuning Zr <sub>6</sub> Metal-Organic Framework (MOF) Nodes as Catalyst Supports: Site Densities and Electron-Donor Properties Influence Molecular Iridium Complexes as Ethylene Conversion Catalysts". <i>ACS Catalysis</i> , 2018, 8, 2364-2364.	5.5	3
11	Computational Study of Structural and Electronic Properties of Lead-Free CsMl <sub>3</sub> Perovskites (M = Ge, Sn, Pb, Mg, Ca, Sr, and Ba). <i>Journal of Physical Chemistry C</i> , 2018, 122, 7838-7848.	1.5	62
12	Research Data Sharing: Practices and Attitudes of Geophysicists. <i>Earth and Space Science</i> , 2018, 5, 891-902.	1.1	41
13	Managing Digital Research Objects in an Expanding Science Ecosystem: 2017 Conference Summary. <i>Data Science Journal</i> , 2018, 17, .	0.6	3
14	Atomic Layer Deposition in a Metal-Organic Framework: Synthesis, Characterization, and Performance of a Solid Acid. <i>Chemistry of Materials</i> , 2017, 29, 1058-1068.	3.2	45
15	Structural and Electronic Effects on the Properties of Fe <sub>2</sub> (dobdc) upon Oxidation with N <sub>2</sub> O. <i>Inorganic Chemistry</i> , 2016, 55, 4924-4934.	1.9	15
16	CO <sub>2</sub> Adsorption in M-IRMOF-10 (M = Mg, Ca, Fe, Cu, Zn, Ge, Sr, Cd, Sn, Ba). <i>Journal of Physical Chemistry C</i> , 2016, 120, 12819-12830.	1.5	21
17	Thermal Stabilization of Metal-Organic Framework-Derived Single-Site Catalytic Clusters through Nanocasting. <i>Journal of the American Chemical Society</i> , 2016, 138, 2739-2748.	6.6	83
18	Tuning Zr <sub>6</sub> Metal-Organic Framework (MOF) Nodes as Catalyst Supports: Site Densities and Electron-Donor Properties Influence Molecular Iridium Complexes as Ethylene Conversion Catalysts. <i>ACS Catalysis</i> , 2016, 6, 235-247.	5.5	150

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19	Single-Site Organozirconium Catalyst Embedded in a Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , 2015, 137, 15680-15683.	6.6	103
20	Ab Initio Derived Force Fields for Predicting CO <sub>2</sub> Adsorption and Accessibility of Metal Sites in the Metal-Organic Frameworks M-MOF-74 (M = Mn, Co, Ni, Cu). <i>Journal of Physical Chemistry C</i> , 2015, 119, 16058-16071.	1.5	84
21	Targeted Single-Site MOF Node Modification: Trivalent Metal Loading via Atomic Layer Deposition. <i>Chemistry of Materials</i> , 2015, 27, 4772-4778.	3.2	116
22	Mechanism of Oxidation of Ethane to Ethanol at Iron(IV)-Oxo Sites in Magnesium-Diluted Fe <sub>2</sub> (dobdc). <i>Journal of the American Chemical Society</i> , 2015, 137, 5770-5781.	6.6	156
23	Oxidation of ethane to ethanol by N <sub>2</sub> O in a metal-organic framework with coordinatively unsaturated iron(II) sites. <i>Nature Chemistry</i> , 2014, 6, 590-595.	6.6	398
24	A Hafnium-Based Metal-Organic Framework as an Efficient and Multifunctional Catalyst for Facile CO <sub>2</sub> Fixation and Regioselective and Enantioselective Epoxide Activation. <i>Journal of the American Chemical Society</i> , 2014, 136, 15861-15864.	6.6	470
25	Defining the Proton Topology of the Zr <sub>6</sub> -Based Metal-Organic Framework NU-1000. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3716-3723.	2.1	228
26	CO <sub>2</sub> Adsorption in Fe <sub>2</sub> (dobdc): A Classical Force Field Parameterized from Quantum Mechanical Calculations. <i>Journal of Physical Chemistry C</i> , 2014, 118, 12230-12240.	1.5	45
27	Single-Ion Magnetic Anisotropy and Isotropic Magnetic Couplings in the Metal-Organic Framework Fe <sub>2</sub> (dobdc). <i>Inorganic Chemistry</i> , 2013, 52, 9379-9389.	1.9	43
28	Radiation-induced cathodoluminescent signatures in calcite. <i>Radiation Measurements</i> , 2012, 47, 195-200.	0.7	5
29	Internet Research Agency Twitter activity predicted 2016 U.S. election polls. <i>First Monday</i> , 0, , .	0.6	14